

End-of-activity reflection: Prompts to aid Chemistry Students

- Format
 - Title at the top of the page
 - 12-point font, 1-inch margins, ACS format for captioning
 - No more than 500 words of text (not counting references), additional space may be used to include as many figures and schemes as desired
 - Spell out acronyms on first appearance (NSF, OURE)
- Affiliation Basics
 - Specify how you were supported and at what time (timeline of when the research was done)
 - Include full names of research advisor(s)
- Product(s)
 - Conference/Presentation (when, where, title of contribution, provide a full citation)
 - Publications (when, journal, all authors, provide a full citation)
 - Include acknowledgement of travel support

Some ideas for content are suggested below. Be sure to address something from each category. Indicate if you consent to have your end-of-activity reflection narrative published as an example on the departmental website.

Chemistry content: specify research questions and describe the greater context, technical skills learned (NMR, FTIR,...), interpretation/analytical skills learned including computational, statistical, mathematical analyses, describe results and state conclusions, speculate about next steps in this project, use of schemes and figures is encouraged, specify the overlap with other disciplines (if any), comment on the importance of working with literature within your experience

Research group collaboration: describe group meeting activities, interactions with advisor and peers, describe mentoring received, group dynamics, contributions made to the group, how you learned from the group, how you received training in professional ethics

Personal development: how your perspective of your field changed based on your experience, what did you learn about yourself, how experiences have affected scholastic understanding in the classroom, how has it affected your future plans or career options and choices